United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505-3101

File Code: 3400
Date: October 12, 2001

Ms. Carol Heeney
89 CES/CEVP
3479 Fetchet Avenue
Andrews Air Force Base, MD 20762-4803

Dear Ms. Heeney:

On October 11, 2001, USDA Forest Service personnel, accompanied by staff entomologist Ryan Wallnow, conducted a gypsy moth egg mass survey at Andrews Air Force Base. The purposes of this survey were to assess the potential for defoliation and the need for treatment in 2002.

Gypsy moth survey plots were randomly selected based upon available host trees (oak species), size of sample area and uniformity between egg mass counts. At each sample point, a $1/40^{th}$ acre fixed radius plot was established. The plots consisted of a tally of all the new (2001) egg masses observed on the overstory trees, understory vegetation, ground litter and duff. The total number of egg masses observed for each plot was multiplied by 40 to determine the number of egg masses per acre.

The location of the survey plots are shown in Figure 1. In brief, no egg masses were detected at twelve of the thirteen plots (Table 1). However 40 egg masses were detected at plot 8. This plot was located in a clump of three trees which had a tree stand constructed in them and was only approximately 75 feet from plot 7, which had 0 egg masses. Eighteen of the 40 egg masses were located on the underside of the tree stand while an additional fifteen egg masses were located on the boles of these trees beneath the tree stand. Further inspections of the area around plots 7 and 8 revealed only 2 additional egg masses.

In order to prevent defoliation on a few individual trees and to prevent the spread of gypsy moths into currently un-infested areas at Andrews AFB, it is recommended to mechanically remove the egg masses at plot 8. These egg masses should be removed before April of 2002. The vast majority of these egg masses can be reached by using a small extension ladder. No defoliation is expected elsewhere, so no other treatments are recommended at Andrews AFB in 2002.

Please contact Rod Whiteman at (304) 285-1555 if you have any questions concerning this gypsy moth egg mass survey.

Sincerely,

Arlyn W. Perkey

for EDWARD T. CESA
Acting Field Representative
Morgantown Field Office

Enclosure

cc: Robert Tichenor, MDA
Sally Hughes, MDA
Noel Schneeberger, AO

JWH/RLW/blm

Table 1 – Gypsy moth egg mass survey results at Andrews Air Force Base, October 11, 2001.

Plot number	Number egg masses per acre
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	1600
9	0
10	0
11	0
12	0
13	0

em per acre range = 0-1600
em per acre average = 123

Figure 1. -- Gypsy moth egg mass survey plot locations at Andrews Air Force Base, October 11, 2001.